York Catholic High School
Course Catalog
2020-2021

601 East Springettsbury Avenue
York, PA 17403
Preface

Welcome to York Catholic High School’s course selection process for 2020-2021. As you think about your schedule for next year, seek advice from your parents, your teachers, and your guidance counselor. Challenge yourself by taking a rigorous course load for your ability keeping in mind course prerequisites.

We ask that students and their families make an honest assessment of the time demands required of selected courses, as they fit with the students’ overall schedule of activities, sports, and/or outside work. Unless the student spends the required time on study each day, he/she cannot expect to achieve academic success. Students in grades 9-12 may take a seventh major class, but this will impact the number of study halls available. It is critical that students choose courses they intend to take as the master schedule is built around course selection.

When selecting courses it is important to remember:

- All high school students are required to take six major classes plus the required minors for their grade level.
- Requests for a specific teacher will not be honored.
- Courses will be scheduled only if there is sufficient student demand and staffing permits.

Not all courses will match your schedule. Scheduling conflicts occur when two or more classes a student requests are offered at the same time. Not all conflicts can be resolved due to the number of courses offered and students requesting courses. If a conflict occurs we make every effort to honor the alternate course selected by the student.
Educational Plan 2020-2021

Grade 7
Religion 7
English Language Arts 7
Pre-Algebra
Life Science
Geography
German 7 or Spanish 7
Enrichment 7

Grade 8
Religion 8
English Language Arts 8
Algebra I/Algebra Part I
Earth Science
US History I
German 8 or Spanish 8
Enrichment 8

Grade 9
Foundations of Faith
English 9
Algebra II
Science
U. S. History II
Elective
Required Minor

Grade 10
Sacred Scripture
English 10
Geometry
Science
World History
Elective
Required Minor

Grade 11
Morality
English 11
Mathematics
U. S. History II
Science
Elective
Required Minor

Grade 12
Church and Vocations
English 12
Elective
Elective
Elective
Elective

Required Courses

Enrichment 7
Art
Music
Computer
Study Skills
Physical Education

Enrichment 8
Art
Music
Computer
Health
Physical Education

Minor 8
Physical Education
Music History

Minor 9

Minor 10
Physical Education

Minor 11
Physical Education

Minor 12
Physical Education

Music History

Health
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Our Philosophy
We, the community of York Catholic High School, see ourselves as co-workers with Jesus Christ in the ministry of education rooted in the Gospels, the teachings of the Roman Catholic Church, and the guidelines of the Commonwealth of Pennsylvania.

Operating in a global society, we choose the Christian world-view as our distinct orientation in carrying out what we regard as our essential task: the development of our students as whole Christian persons. We accomplish this by teaching, by fostering a Catholic value system, and by serving the larger community.

Our quest for academic excellence leads us to teach a core curriculum which is continuously and judiciously updated. Our desire to foster Catholic values prompts us to create an environment which develops personal integrity, respect for one another, reverence for God, and stewardship for our world. Our commitment to serve the larger community impels us to foster social awareness and encourage action for the common good.

We recognize this necessarily collaborative effort is one which increasingly demands the support and involvement of students, parents, staff, parishes, alumni, and the community at large.

Thus we envision our mission as the education of our students to become active members of church and society living their faith.

Mission Statement
Guided by a Christian moral compass, we educate our students in an atmosphere of faith, family, and mutual respect, preparing them to serve the global community.

Belief Statements
- We believe in a faith community that promotes Gospel values and a Christian moral compass.
- We believe in valuing and respecting each individual in a safe educational environment.
- We believe that collaboration between our students and highly qualified, compassionate faculty fosters academic excellence and lifelong learning.
- We believe that everyone is created in the image of God and we strive to develop the faith, heart, body, and mind of each student.
- We believe in the value of diversity and each individual's unique God-given talents and gifts.
- We believe in the respect and dignity of human life in an atmosphere based upon Catholic moral values.
- We believe in citizenship, promoting the betterment of school, church, community, country, and our world.
• We believe service to others is not only a witness to our faith, but a lifestyle.
• We believe in the importance of self-discipline and personal accountability in the development of our students.

Senior High Graduation Requirements
Graduation from York Catholic High School depends upon the successful completion of all required courses as mandated by the Pennsylvania Department of Education, York Catholic High School, and the Superintendent of Education of the Diocese of Harrisburg. A minimum total of 25 credits over four years is required for graduation, to include a Religion credit for each year of attendance at York Catholic High School.

Required Courses and Credits for Graduation

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Academic credits are awarded for all planned courses that are successfully completed meeting the requirements of instructional time and testing. Academic credits attempted and earned become part of the permanent record of the student and are listed on the transcript.
Levels of Study
The Senior High Academic Program consists of curriculum offerings aimed at the following levels of instruction:

**Advanced Placement:** These are college level courses offered in accordance with the national Advanced Placement program through College Board. AP students are required to take the corresponding placement exam in May and pay the necessary fee (approximately $92). No school final exam will be given.

**Honors:** College preparatory courses for students who demonstrate exceptional ability and work ethic.

**Level 1(CP):** College preparatory courses.

**Level 2:** College preparatory courses for students who require additional time and support to develop and strengthen reading, writing, and analytic skills.

**Level G:** Minor subjects.

Students schedules may represent varying levels according to interest and ability. The level for each subject taken is indicated on the report card and the permanent record of the student.

Additional Educational Opportunities

**College in the Classroom**
College in the Classroom is a program whereby a student enrolled in a class at York Catholic can earn college credit. Currently, York Catholic works with Alvernia University in Reading, PA, offering college credit for Spanish 5, Psychology, Journalism, Music Theory, Introduction to Theater, and Comprehensive Business Technology. Students who opt to take a course for college credit will incur an additional tuition fee from Alvernia University (approximately $125 per credit). Upon graduation, it is the student’s responsibility to request transcripts from Alvernia University be sent to the college of his or her choice.

**Dual Enrollment**
Dual Enrollment options offer a senior the option to leave York Catholic during the course of a school day and take college courses on campus at HACC, York College, or Penn State York. Students are responsible for the complete cost of a Dual Enrollment course. Pending approval by the high school principal, college credits may count toward York Catholic graduation requirements.
Students wishing to participate in these Dual Enrollment opportunities must meet the following criteria:

- Senior status
- York Catholic weighted GPA of 2.0
- All entrance requirements of the college/university

Course selection information is as follows:

- A maximum of six college credits may be taken per semester.
- Three college credits will generally equal one York Catholic credit.
- To earn concurrent York Catholic credit, the course must be substantially different than any course the student has previously taken or is projected to take at York Catholic.
- To be awarded York Catholic credit, students must provide an official college transcript to the high school.
- Courses will be recorded on the high school transcript with the college/university noted.
- The student’s York Catholic grade point average, weighted and unweighted, will calculate based upon courses taken at York Catholic High School; although credit will be accepted, dual enrollment grades will not count toward those averages.

Virtual High School Electives
Virtual High School (VHS) offers a wide array of elective offerings for the student in grade 9-12 interested in an independent online course. To browse the course catalog, visit www.thevhs.org. Click on Programs and Courses, and then catalog. In order to be considered for an online course, students must have maintained an 85 midyear average in all courses. Space is limited; seniors have priority. Any student failing an online course through The Virtual High School will be held accountable for the cost of the course. VHS classes are one semester long (½ year) for 0.5 credit.

York County School of Technology
The part time flex opportunity program at York County School of Technology offers a York Catholic junior or senior the opportunity to pursue technical preparation while earning their York Catholic diploma. Students are required to fulfill all York Catholic graduation requirements, but are able to attend York County School of Technology for afternoon programming. Interested students should see the Director of Studies for further information. Information regarding the York County School of Technology Flex Program is also available online at www.ytech.edu.
NCAA Eligibility Standards
The National Collegiate Athletic Association periodically revises its academic standard for college freshmen who wish to participate in intercollegiate athletics. Please visit www.eligibilitycenter.org for the most recent information on those standards if you are considering college athletics. Eligibility is based on the number of approved core courses, GPA in those approved courses, and SAT scores.

Grade Point Average / Class Rank
Students grades 9-12 are awarded two averages, a weighted and unweighted grade point average. The unweighted grade point average is based upon all major subjects, and is a calculation of percentage points awarded in each class. This number might be, for example, a 94.3. A weighted grade point average is also based upon all major subjects, but calculates using a 4.0 point scale, (see page 9), taking into consideration the level of difficulty or rigor of the course. This weighted grade point average is used to determine a student’s class rank. Both averages appear on a student’s fourth quarter report card as a yearly and a cumulative figure; class rank is also included on the final grade report.
# GPA Quality Points Table

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## Sequence of Courses
### 2020-2021

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Religion Department

Religion is central to the curriculum at York Catholic High School. As such, it serves as the life-giving spirit of our school, permeates all areas of studies, and gives impetus to staff, students, and all associated with York Catholic's life. The religion program is devised to deepen one’s growth as an individual and as a member of a community of faith. Personal daily witness to Christian living in the Roman Catholic tradition is emphasized. Doctrines of the Church in light of Vatican II and the New Catechism of the Catholic Church are explored and related to current ecclesial, social, political, and economic issues. Believing service is fundamental to genuine faith; teachers afford opportunities for prayer and worship and for involvement in social action.

To form habits in the area of service, the school monitors a program of Christian Service whereby each student is required to perform hours of non-remunerated service each year within a volunteer program or individually. Senior high students are required to verify sixteen (16) hours of service and junior high students are required to verify twelve (12) hours of service. Documentation of completed service hours is required for promotion to the next grade.

071  Religion 7  Grade 7
This course is designed to build upon previous Religious Education and strengthen the student’s knowledge of faith. This course focuses on Scripture with emphasis on the Gospels, the Creed with emphasis on the Incarnation, Pascal Mystery and the Communion of Saints, the Sacraments especially Eucharist, Morality, Prayer traditions, the liturgical seasons and Service to others.

081  Religion 8  Grade 8
This course builds upon previous knowledge of Scripture, the Creed, the Sacraments, Morality, and Service. Special emphasis is placed on preparation for the Sacrament of Confirmation. Students will study the Acts of the Apostles, the Ascension and Pentecost, the Apostles/Nicene Creed, the Sacraments of Initiation, the gifts of the Holy Spirit, and a Catholic Christian’s obligation to the poor.

011  Foundations of Faith  Level 1
1 Credit  Grade 9
This course presents an overview of the concepts and beliefs of Roman Catholicism that a student in a Catholic high school should be able to understand and articulate by the end of the ninth grade. These include: the meaning of revelation and faith, the articles of faith in the creeds, the meaning of liturgy and sacraments and prayer, examples of people of prayer from Scripture and the Church, common Catholic prayers, basic morality, conscience formation, and an understanding of sin and virtue. The course outline is referenced to the Catechism of the Catholic Church (1994) and to Sacred Scripture. The course is designed in a survey format to give teachers the freedom to meet the needs of the diverse backgrounds of veteran Catholic school students as well as newcomers to this setting.
This course will present some of the basic concepts related to sacred scripture and then an overview of the books of the Bible. While this course will cover a wide range of material, it will endeavor to offer the student not only an understanding of the origins and development of the texts, but also an opportunity to experience the presence of the living and saving God in both the Old and New Testaments. The course outline will be referenced to the Catechism of the Catholic Church with information relating to basic concepts relating to scripture and to events in the life of Jesus.

This course is designed to provide the student with the tools needed to search out the truth in order to make good moral decisions. The responsibility for building a personal conscience is placed squarely on the shoulders of the student. After critical reflection on oneself and contemporary personal and social problems enlightened by Scripture, Tradition and Church documents, including the Catechism of the Catholic Church, the student will learn the truly moral person is one who is fully human. In other words, a York Catholic student is genuinely respectful of him/herself and others as human persons, as children of God, and as followers of Jesus Christ.

This course presents the development of the Roman Catholic Church through its 2000-year history and focuses particularly on the People of God who make up the Church. It then challenges students to take an active role in the Church community by living out their personal vocation of prayer and love and service as a priest or deacon, as a religious, or as a layperson. By studying the history, meaning and mission of the Church, based on the sacred scripture and the New Catechism of the Catholic Church, with the aid of current and approved texts, students will be challenged and invited through study, prayer, and reflection to participate actively in the Church now and as adults.

This course is an introductory course designed for first year international students. Students will be introduced to the concepts of God, faith, and Catholic theology. In addition, this course will focus on cultural transitions as international students acclimate to life in the United States and life with an American host family.
English Department

The English department of York Catholic High School directs its efforts toward teaching Christian values. The department intends to lead the student to discover those positive aspects of his/her personality through which he/she can enhance self-confidence and creativity. Through creative experiences in reading, discussing, and writing, the student comes to an awareness of the universality of the human experience as found in literature, the story of man.

171 English Language Arts 7  Grade 7
Double Block – 2 periods daily
In English 7, students develop their skills in writing, starting with paragraphs and moving on to five paragraph essays with an emphasis on focus and coherence. Students also choose and read books from the library with a goal of developing a lifelong love of reading. As students begin their journey at York Catholic, they read short stories, novels, poetry, and nonfiction centered on discovering who they are and how they relate to one another. This class meets two periods daily; this course is designed to provide additional time and support for students with a focus on reading and writing.

172 English Language Arts 7  Grade 7
Single Block – 1 period daily
In English 7, students develop their skills in writing, starting with paragraphs and moving on to five paragraph essays with an emphasis on focus and coherence. Students also choose and read books from the library with a goal of developing a lifelong love of reading. As students begin their journey at York Catholic, they read short stories, novels, poetry, and nonfiction centered on discovering who they are and how they relate to one another. This class meets one period daily.

181 English Language Arts 8  Grade 8
Double Block – 2 periods daily
In English 8, students develop their skills in writing focused, coherent analytical, persuasive, and personal essays. They read short stories, novels, poetry, and nonfiction centered on the connection between our past and our present, and they write analytical essays with the goal of developing focus, organization, and coherence. Students also choose and read books from the library with a goal of developing a lifelong love of reading. Finally, students give a formal presentation of their research on a historical figure. This class meets two periods daily; this course is designed to provide additional time and support for students with a focus on reading and writing.
182  **English Language Arts 8**  
    **Grade 8**  
    **Single Block – 1 period daily**  
In English 8, students develop their skills in writing focused, coherent analytical, persuasive, and personal essays. They read short stories, novels, poetry, and nonfiction centered on the connection between our past and our present, and they write analytical essays with the goal of developing focus, organization, and coherence. Students also choose and read books from the library with a goal of developing a lifelong love of reading. Finally, students give a formal presentation of their research on a historical figure. This class meets one period daily.

109  **English 9 H**  
    **Level H**  
    **1 Credit**  
    **Grade 9**  
English 9 Honors focuses on developing independent reading and writing skills through a study of literary genres across cultures and times. Students read short stories, epics, novels, plays, poetry, and nonfiction. They write analytical essays examining the ways an author’s purpose shapes the choices s/he makes. The development of research skills culminates in an annotated bibliography and research paper on the topic of the student’s choice.  
**Prerequisite:** An average of 93 in ELA 8 and teacher approval.

111  **English 9 CP**  
    **Level 1**  
    **1 Credit**  
    **Grade 9**  
English 9 CP focuses on a study of literary genres across cultures and times. Students read short stories, epics, novels, plays, poetry, and nonfiction. They write analytical essays examining the ways an author’s purpose shapes the choices s/he makes. The development of research skills culminates in an annotated bibliography on the topic of the student’s choice.  
**Prerequisite:** Teacher recommendation.

119  **English 9**  
    **Level 2**  
    **1 Credit**  
    **Grade 9**  
Level 2 English is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need.  
**Prerequisite:** Teacher recommendation.
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<td>120</td>
<td>English 10 H</td>
<td>Level H</td>
<td>Grade 10</td>
<td>This course takes a thematic approach to exploring individual choices and their effects through poetry, short stories, fiction and nonfiction. Students read and discuss, with a larger degree of independence, works related to heroism, redemption, and navigating relationships, analyzing these works through personal and global lenses. As a capstone assignment, students choose a book they read in the course, research its historical context, and write a 5-7 page paper making connections between the text, its criticism, and the time and place in which it was written. <strong>Prerequisite:</strong> An average of 88 in English I Honors and teacher approval; an average of 93 in English I CP and teacher approval.</td>
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<td>121</td>
<td>English 10 CP</td>
<td>Level 1</td>
<td>Grade 10</td>
<td>This course takes a thematic approach to exploring individual choices and their effects through poetry, short stories, fiction and nonfiction. Students read works related to heroism, redemption, and navigating relationships, analyzing these works through personal and global lenses. As a capstone assignment, students choose a book they read in the course, research its historical context, and write a 4-6 page paper making connections between the book and the time and place in which it was written. <strong>Prerequisite:</strong> Teacher recommendation.</td>
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<td>129</td>
<td>English 10</td>
<td>Level 2</td>
<td>Grade 10</td>
<td>Level 2 English is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need. <strong>Prerequisite:</strong> Teacher recommendation.</td>
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<td>130</td>
<td>AP Language and Composition</td>
<td>Level AP</td>
<td>Grade 11</td>
<td>AP English Language and Composition is an introductory college level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. This course is for students who enter eleventh grade with a strong grasp of writing conventions and style. Students are required to take the AP examination in May. <strong>Prerequisite:</strong> An average of 90 in English 10 H; approval of sophomore Honors English teacher and the Advanced Placement English teacher.</td>
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English 11 H  
1 Credit  
Level H  
Grade 11  
This course is designed to give students an appreciation of American literature through a chronological approach. Students develop discussion skills and advanced scholarly writing techniques, while connecting historical concepts and themes to the modern world and working with a greater degree of independence and rigor. Ultimately, this course requires students to discern what it means to be American. A passing grade on the cited literature paper is required for promotion to English 12.  
Prerequisite: An average of 88 in English 10 H and teacher approval; an average of 93 in English 10 CP and teacher approval.

English 11 CP  
1 Credit  
Level 1  
Grade 11  
This course is designed to give students an appreciation of American literature through a chronological approach. As students study these writings, they develop skills in close reading, analysis, research, and writing. Students connect historical concepts and themes to the modern world. Ultimately, this course requires students to discern what it means to be an American. A passing grade on the cited literature paper is required for promotion to English 12.  
Prerequisite: Teacher recommendation.

English 11  
1 Credit  
Level 2  
Grade 11  
Level 2 English is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need.  
Prerequisite: Teacher recommendation.

AP English Literature  
1 Credit  
Level AP  
Grade 12  
This course is an intensive exploration of world literature, particularly emphasizing Greek, British, and American writers. It is designed to develop the advanced student's skills in reading, comprehending, interpreting, and analyzing prose, poetry, and drama at the level of a successful college freshman. The course requires intensive writing, reading, and class discussion. Students are required to take the AP examination in May.  
Prerequisite: An average of 90 in English 11 H; approval of junior Honors English teacher and the Advanced Placement English teacher.
142  **English 12 H**  
1 Credit  
**Level H**  
**Grade 12**  
The twelfth grade English Honors course is a study of contemporary cultural issues through an examination of fiction and nonfiction texts across cultures and times. Following the “Facing History and Ourselves” curricular framework, it requires students to consider themselves in relationship to the world and to people around them. This course provides students with the experience of taking a seminar style course while still in high school. Students read, write, and think critically and independently, employing various critical modes to better understand the structure, techniques, and ideas found in major works. Successful students are self-motivated, curious, and active participants in class conversation.  
**Prerequisite:** An average of 88 in English 11 Honors and teacher approval.

141  **English 12 CP**  
1 Credit  
**Level 1**  
**Grade 12**  
English 12 is a course of study of contemporary cultural issues through an examination of fiction and nonfiction texts across cultures and times. Following the “Facing History and Ourselves” curricular framework, it requires students to consider themselves in relationship to the world around them. Students focus on developing skills in close reading, critical thinking, analytical writing, research, and communicating effectively. A major research paper is the capstone assignment for this course. In it, students consider a current social issue, examine its history and context, and develop a detailed proposal for change.  
**Prerequisite:** Teacher recommendation.

149  **English 12**  
1 Credit  
**Level 2**  
**Grade 12**  
Level 2 English is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need.  
**Prerequisite:** Teacher recommendation.

667  **Journalism**  
0.5 Credit  
**Level 1**  
**Grade 10-12**  
**College in the Classroom Option**  
Journalism students will produce and publish York Catholic’s student newspaper, *The Spectator*. Students will study modern journalistic techniques and topics, compose articles, examine writing critically, and learn basic journalistic rules and practices.  
**Prerequisite:** Teacher approval is required.
118  ESL English  Level 1  
     1 Credit  Grade 9-12  
This course is designed to transition second language students into the high 
school curriculum. The fundamentals of grammar, principles of correct usage, 
and mechanics of writing are reinforced and strengthened. In the first semester 
special emphasis is placed on evaluation and improvement of English vocabulary 
and correct grammatical usage in spoken and written language. Colloquial 
English and idioms in ordinary American English are also addressed.
Social Studies Department

Social Studies represents the integration of all facets of humankind, taking into account their religion, their place in time and space, their interaction with other people, and their interaction with nature. Social Studies education engenders respect for varied ways of life, motivates an exchange of ideas, and stimulates a commitment to free people from injustice. It accentuates the individual's need for recognition of his or her accountability to their fellow persons for the development of a productive and meaningful way of life for all people.

273 Geography Grade 7
This course takes a case-study approach to learning the three forms of geography – physical, human, and political. The course relies on primary and secondary sources along with maps, charts, and graphs to allow students to gain a better understanding of our world today. Students will study regions of the world, the people who live there, the advantages they have, and the challenges they face. They will also develop research, presentation, and critical thinking skills as they explore and learn about new people and places.

261 US History I Grade 8
This course is a chronological approach to American History, beginning with North America prior to colonization and ending with Reconstruction. In this course, students will develop analytical, reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will engage with course content actively, and identify cause and effect relationships throughout history.

215 U.S. History II H Grade 9
230 U.S. History II H
1 Credit

This course is a chronological approach to American History, beginning with post-Reconstruction America and ending with America today. In this course, students will develop analytical, reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will engage with course content actively, and identify cause and effect relationships throughout history. Upon completion of this course, students will be able to independently answer a document-based question thoroughly, considering the viewpoints and limitations of the sources they use. This Honors level course will provide a more rigorous and in depth approach to studying history with a greater emphasis on independent work.

Prerequisite: An average of 93 in US History I and teacher approval.
U.S. History II CP  Grade 9
231  U.S. History II CP  Grade 11
     1 Credit  Level 1
This course is a chronological approach to American History, beginning with post-Reconstruction America and ending with America today. In this course, students will develop analytical, reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will engage with course content actively, and identify cause and effect relationships throughout history. Upon completion of this course, students will be able to independently answer a document-based question thoroughly, considering the viewpoints and limitations of the sources they use.

Pre-requisite:  Teacher recommendation.

U.S. History II  Grade 9
239  U.S. History II  Grade 11
     1 Credit  Level 2
Level II Social Studies is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need.

Pre-requisite:  Teacher recommendation.

World History H  Grade 10
220  World History H  Level H
     1 Credit
This course is a chronological approach to World History, beginning with the Enlightenment and ending with the world today. In this course, students will develop analytical, reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will evaluate historical arguments while focusing on bias and point of view. Upon completion of this course, students will be able to independently develop a research-based historical argument. This honors level course will provide a more rigorous and in-depth approach to studying history with a greater emphasis on analysis and independent work.

Prerequisite:  An average of 93 in US History II CP with teacher approval or an average of 85 in US History II Honors with teacher approval.

World History CP  Grade 10
221  World History CP  Level 1
     1 Credit
This course is a chronological approach to World History, beginning with the Enlightenment and ending with the world today. In this course, students will develop analytical, reading, writing, and thinking skills by looking at and interpreting relevant primary and secondary sources. They will evaluate historical arguments while focusing on bias and point of view. Upon completion of this course, students will be able to independently develop a research-based historical argument.

Pre-requisite:  Teacher recommendation.
229 World History

Level 2
1 Credit
Grade 10

Level II Social Studies is designed for students who need more time and support to develop and strengthen reading and writing skills. Flexibility in the use of course time allows for concentration in areas of weakness. Content matches that of the College Preparatory grade equivalent, but emphasis depends on student ability and need.

Pre-requisite: Teacher recommendation.

232 AP U.S. History

Level AP
1 Credit
Grade 11

This course is a chronological approach to American History, beginning with the establishment of colonies and ending with America today. In this course, students will develop factual knowledge while also focusing on the following historical thinking skills: chronological reasoning, comparison and contextualization, historical argumentation, and synthesis. Upon successful completion of this course, students will be prepared to take the Advanced Placement US History exam. This AP level course will require summer work, extensive reading and writing, and a significant amount of independent work outside of the classroom. Students taking this course are required to take the AP exam in May.

Prerequisite: An average of 93 in World History II CP with teacher approval or an average of 88 in World History Honors with teacher approval.

241 Sociology/Psychology CP

Level 1
1 Credit
Grade 12

College in the Classroom Option

This course is designed to provide students with an introduction to the major concepts in the growing fields of sociology and psychology. Students will gain an understanding of the functions of the brain and how those functions cause people and society to behave. Throughout this course, students will be required to read scholarly articles and case studies, and complete writing pieces analyzing the trends in sociology and psychology. Students have the option of taking this course for college credit through Alvernia University.

248 Holocaust Studies CP

Level 1
0.5 Credit - Semester Course – ½ year
Grade 11-12

This course is designed to enhance content knowledge of the Holocaust and its relevance to modern contemporary society. The course focuses on visual history, narratives, the complexity of choices made by individuals, and the responsibility of individuals to uphold political, moral, and ethical behavior.

Prerequisite: An average of 82 in U.S. History II, World History, or AP U.S. History.
249  Economics CP  
Level 1  
0.5 Credit - Semester Course – ½ year  
Grade 11-12  
This course is designed to provide students with a greater understanding of economics. The course will cover topics in both macro and microeconomics, with a heavy emphasis on macroeconomics. Specific topics such as opportunity cost, supply and demand, Gross Domestic Product, game theory, fiscal and monetary policy, trade and the global economy will be covered in the course. The course will use a combination of learning methods including class discussion, document analysis, and economic scenarios. A basic understanding of mathematics and graphing will be required.

250  Political Science CP  
Level 1  
0.5 Credit - Semester Course – ½ year  
Grade 11-12  
Political Science will focus on the contemporary American political system and how it fits into the greater world. Topics in the course will include the political party system, elections, the role of the Constitution, local politics and government, federalism, modern political thought, and comparative government. The course will involve article analysis, case studies, and class discussions to gain a greater understanding of how politics affects Americans' lives today.

251  American Cultural Studies CP  
Level 1  
0.5 Credit - Semester Course – ½ year  
Grade 12  
The goal of this course is to expand our understanding of racial, ethnic, and gender issues and challenges in the United States. We will introduce basic concepts and viewpoints, specifically on race and gender relationships within our traditions and institutions. We will study the history of different racial and ethnic groups in the United States, and will strive to explore the dynamics which define the relationships between minority and majority groups and investigate the impact of those relationships on multiple public policy issues. Students will use research to distinguish between ideas and arguments that are intuitive or emotional, and those that are factual or supported by data. Students are highly encouraged to share their insights, experiences, and participate in discussion.
Math Department

The Mathematics Department of York Catholic High School is committed to accomplishing the following:

1. Develop accuracy and facility in performing fundamental mathematical operations.
2. Present the means for developing the ability to analyze and solve problems of varying types and degrees of difficulty.
3. Encourage an understanding of the nature and structure of math so students will be able to apply and communicate basic principles.
4. To develop in the students an appreciation and recognition of the relationships between mathematics and other disciplines.
5. To expose students to calculators, computers, and manipulatives through the use of application so students develop appreciation of these tools.
6. To provide multi-level math courses in the high school and three levels in the junior high to meet the needs of all students as well as possible.

371 Pre-Algebra CP
Grade 7
This course is designed to have students master topics within the real number system, integers, graphing in one and two dimensional grids, equations and inequalities, polynomials, and problem solving, with an introduction to geometric concepts, area, and volume. Students must maintain a 78 average and have teacher approval to be recommended for Algebra I CP.

372 Pre-Algebra
Grade 7
This course offers an on-going study of the following topics: expression and number properties; operations with functions, decimals and percents; ratios, and data analysis; geometric configuring with circles and composite figures; and solving equations and inequalities. Tables, graphs, and functions are constructed and analyzed. Also included is an introduction of operations with integers, as well as solving equations with rational numbers. Lastly, proportionality, including the introduction of slope, is explored. Students from this class will be recommended to take Algebra I Part 1 in 8th grade.

370 Pre-Algebra Accelerated
Grade 7
This course is designed to have students master topics within the real number system, integers, graphing in one and two dimensional grids, equations and inequalities, polynomials, and problem solving, with an introduction to geometric concepts, area, and volume. This is an accelerated course. Students must maintain an average of 88 along with teacher approval to be recommended for Algebra 1 Accelerated.
380  Algebra I Accelerated  Grade 8
This course offers an in-depth study of solving equations, inequalities, problem solving, polynomials, exponents, factoring, rational expressions, radicals, and graphs of linear and quadratic equations. This is an accelerated course.
Prerequisite: An average of 88 in Pre-Algebra, high standardized test scores, and teacher approval. Students must maintain an average of 88 to be recommended for Algebra II Honors.

381  Algebra 1 CP  Grade 8
This course offers a study of algebra concepts such as the number line, sets of numbers, properties and operations of real numbers, solving linear equations and inequalities. Other topics include polynomials, exponents, factoring, solving quadratic equations, rational algebraic expressions, and graphs of linear equations.
Prerequisite: An average of 78 in Pre-Algebra CP with teacher approval. Students must maintain an average of 78 to be recommended for Algebra II CP.

382  Algebra I Part 1  Grade 8
This course is the first part of a two part Algebra series. It is for students who need extra time on mathematical concepts and a slower pace in class. Part 1 will cover: variables, grouping symbols, translating problems into equations, adding, subtracting, multiplying and dividing real numbers, transforming equations, equations with variables on both sides, exponents, working with polynomials, factoring and solving equations using factoring. Upon completion of this course, students will take Algebra 1 Part 2 the following year.

383  Algebra I Part 2  Level 2
1 Credit  Grade 9
This course is the second part of a two year Algebra series. Students will take this course upon completion of Algebra I Part 1. Part 2 will cover the following: working with algebraic fractions, application problems in solving algebraic fractions, functions, slope of a line, linear and quadratic functions, direct and indirect variation, systems of equations, and solving inequalities. Upon completion of this course, students will take Geometry.

322  Geometry CP  Level 1
1 Credit  Grade 10
This course concentrates on plane geometry with some applications to solid geometry. It shows the significance of undefined terms, assumptions, theorems and informal proofs as a pattern of a mathematical system and logical thought. There is a strong application to coordinate geometry, slope, areas, and volumes. Students will study geometric constructions, have an introduction to special right triangles and trigonometry. Life applications are emphasized.
Prerequisite: An average of 78 in Algebra I CP with teacher approval, or an average of 95 in Algebra I with teacher approval. Students must maintain an average of 78 to be recommended for Algebra II CP.
328  Geometry  Level 2  
1 Credit  Grade 10  
This course offers the study of geometric terminology and symbolism, and 
deductive reasoning as it relates to geometric concepts. Also included is the 
study of points, lines, planes, polygons, and coordinate geometry. Students will 
use the compass, protractor, and MIRA for geometric constructions. Students 
from this class will be recommended to take Algebra II.  
Prerequisite: Algebra I students from this class will be recommended for 
Algebra II.

320  Geometry H  Level H  
1 Credit  Grades 9-11  
This course offers the study of points, lines, planes, and congruent and similar 
figures. It shows the significance of deductive reasoning by studying formal and 
informal proofs as a pattern of logical thought. Students will use different tools to 
develop concepts of special right triangles, trigonometry, slope, and 
transformational geometry. Connections with other branches of mathematical 
and real life applications are emphasized.  
Prerequisite: An average of 95 in Algebra I CP with teacher approval, an 
average of 88 in Algebra II Honors with teacher approval.

330  Algebra II H  Level H  
1 Credit  Grades 9-11  
This course offers a study of the algebraic structure of the real number system. 
Content includes solving and graphing linear, quadratic, and polynomial 
equations and inequalities, systems of equations and inequalities, polynomials, 
radicals, and complex numbers. Additional topics include slope, functions, and 
rational algebraic expressions.  
Prerequisite: An average of 88 in Geometry H and teacher approval, an average 
of 95 in Geometry CP and an average of 95 in Algebra I CP with teacher 
approval, or an average of 88 in Algebra 1-H. Students must maintain an 
average of 88 to be recommended for Trig/PreCalc H.

332  Algebra II CP  Level 1  
1 Credit  Grades 9-11  
This course offers a study of the algebraic structure of the real number system. 
Topics include linear equations and inequalities, slope systems of equations, 
graphing of polynomial and radicals. Also included are quadratic equations, 
rational algebraic expressions, and complex numbers.  
Prerequisite: An average of 78 in Geometry CP with teacher approval, an 
average of 95 in Geometry, an average of 95 in Algebra I with teacher approval, 
or an average of 78 in Algebra I CP with teacher approval. Students must 
maintain an average of 78 to be recommended for Algebra III/Trig.
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<td>338</td>
<td>Algebra II</td>
<td>Level 2</td>
<td>1 Credit</td>
<td>Grades 9-11</td>
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<td></td>
<td>This course offers a study of real numbers, linear sentences, systems of equations, factoring polynomials, and solving quadratic equations. Also included are rational algebraic expressions, complex numbers, and functions. <strong>Prerequisite:</strong> Geometry and Algebra 1. Students from this class will be recommended to take Algebra III/Trig.</td>
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<tr>
<td>343</td>
<td>Trigonometry H</td>
<td>Level H</td>
<td>0.5 Credit - Semester Course – ½ year</td>
<td>Grade 11-12</td>
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<td>Trigonometry offers the study of the trigonometric functions and their graphs. Topics include finding values and applications for the trigonometric functions and trigonometric identities. <strong>Prerequisite:</strong> An average of 88 in Algebra II Honors and Geometry Honors with teacher approval.</td>
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<tr>
<td>331</td>
<td>Pre-Calculus H</td>
<td>Level H</td>
<td>0.5 Credit - Semester Course – ½ year</td>
<td>Grade 11-12</td>
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<td>Pre-Calculus offers the study of the following functions: quadratic, polynomial, rational, inverse, exponential, and logarithmic; also graphs of functions, determining even and odd functions, solving equations, finding intervals of increase, decrease, maximum, and minimum points; working with complex numbers, series, and sequences, and an introduction to limits. <strong>Prerequisite:</strong> An average of 88 in Algebra II Honors and Geometry Honors with teacher approval.</td>
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<tr>
<td>333</td>
<td>Pre-Calculus CP</td>
<td>Level CP</td>
<td>1 Credit</td>
<td>Grade 11-12</td>
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<td></td>
<td>Pre-Calculus offers the study of the following functions: quadratic, polynomial, rational, inverse, exponential, and logarithmic; also graphs of functions, determining even and odd functions, solving equations, finding intervals of increase, decrease, maximum, and minimum points; working with complex numbers, series, and sequences, and an introduction to limits. <strong>Prerequisite:</strong> An average of 80 in Algebra III/Trigonometry with teacher approval.</td>
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<tr>
<td>342</td>
<td>Algebra III/Trigonometry CP</td>
<td>Level 1</td>
<td>1 Credit</td>
<td>Grade 11-12</td>
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<td></td>
<td>The first part of this course offers topics from Algebra including factoring, solving higher order equations and inequalities, rational algebraic expressions, radicals, complex numbers, quadratic equations, the quadratic formula, and completing the square, and conics. Trigonometry concepts covered also include special right triangles, the definition of the six trigonometry functions and their graphs, finding values for trigonometric functions, radian and degree measure, and trig identities. <strong>Prerequisite:</strong> An average of 78 in Algebra II CP.</td>
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348  Algebra III/Trigonometry  Level 2
     1 Credit  Grade 12
This course offers the study of polynomials, linear equations, and inequalities
and their graphs. Topics include functions, radicals, quadratic equations, and the
quadratic formula. Trigonometry offers the study of the trigonometric functions.
Topics include the Pythagorean Theorem, finding values for trigonometric
functions, graphs of trigonometric functions, and simple identities.

345  Statistics CP  Level 1
     1 Credit  Grade 11-12
This course will emphasize an introduction to statistics including organized data
and calculating measures of central tendency and variability. Other topics
include probability, sampling, hypothesis testing, and linear regression.
Prerequisite: An average of 78 in Geometry CP or Algebra III Trig CP and
teacher approval.

344  AP Calculus AB  Level AP
     1 Credit  Grade 11-12
The purpose of this course is to prepare students to take the Advanced
Placement exam, for which placement and/or credit may be awarded at the
college level if a qualifying score is obtained. This course begins with the study of
limits and function continuity. An intense study of derivatives and integrals, with
a strong concentration on application problems is included. The course
culminates with a preparation for the AP Calculus test. A graphing calculator is
used extensively in this course. Students taking this course are required to take
the AP exam in May.
Prerequisite: Trig/Pre-Calculus H and teacher approval.

346  AP Calculus BC  Level AP
     1 Credit  Grade 12
The purpose of this course is to prepare students to take the Advanced
Placement exam, for which placement and/or credit may be awarded at the
college level if a qualifying score is obtained. This course begins with a review of
differential and integral Calculus and follows with an intense study of advanced
integration techniques, along with differentiation and integration of Parametric
and Polar equations. Sequences and series are explored at an advanced level
including Taylor and MacLaurin series. This course culminates with a preparation
for the AP Calculus BC test. A graphing calculator is used extensively in this
course. Students taking this course are required to take the AP exam in May.
Prerequisite: A 4 or 5 on the AP Calculus AB test and teacher approval.

349  Calculus H  Level H
     1 Credit  Grade 11-12
This course offers the study of limits and derivatives and applied problems
involving these concepts. Other topics include related rates, sketching curves,
logarithmic and exponential functions, integration, and a preliminary study of
differential equations. A graphing calculator is used extensively in this course.
Prerequisite: An average of 85 in Trig/Pre-Calculus H with teacher approval.
Foreign Language Department

The study of foreign language serves to introduce students to various cultural, societal, and language norms. Respect, understanding, and appreciation for differing customs are benefits of language study. At York Catholic High School, students may elect to study one of two foreign languages, Spanish or German. Within all languages, the goal is the development of listening, reading, writing, and speaking skills along with continued student growth.

474 Spanish 7  Grade 7
The Spanish 7 and 8 courses introduce the language within the context of the contemporary Spanish-speaking world and its culture. Students are introduced to basic language skills through a logical progression of listening, speaking, reading, and writing activities. Spanish 7 and Spanish 8 combined equate to a Level I course.
Prerequisite: Students beginning Spanish in Grade 7 must have strong grades in Language Arts and teacher recommendation.

484 Spanish 8  Grade 8
The Spanish 7 and 8 courses introduce the language within the context of the contemporary Spanish-speaking world and its culture. Students are introduced to basic language skills through a logical progression of listening, speaking, reading, and writing activities. Spanish 7 and Spanish 8 combined equate to a Level I course.
Prerequisite: Passing grade in Spanish 7 and teacher approval.

414 Spanish I CP  Level 1 Credits
Grades 9-11
This course introduces the language within the context of the contemporary Spanish-speaking world and its culture. Emphasis is given to the development of listening, comprehension, reading, writing skills, and formation of grammatical and language structures. The vocabulary presented relates to the students’ world and encourages practical use of the language.
Prerequisite: Students must have a 75 average in English CP and teacher approval.

424 Spanish II CP  Level 1 Credits
Grades 9-12
The second level of language continues the acquisition of correct pronunciation and intonation, as the students hear and respond more in the language. Basic grammatical and vocabulary skills are expanded and the students do some imitative composition. The culture of the target language countries is highlighted through related readings. The ability to speak and read the language without resorting to translation is encouraged.
Prerequisite: Students must have a minimum grade of 80 in Level I CP or a minimum average of 80 in eighth grade language and teacher approval.
Spanish II is a more differentiated version of the CP level language class. The second level of language continues the acquisition of correct pronunciation and intonation, as students hear and respond more in the language. Basic grammar and vocabulary skills are expanded and students do imitative composition. The culture of the target language countries is highlighted through related readings. The ability to speak and read the language without resorting to translation is encouraged.

**Prerequisite:** Students with an average of 70-79 in Spanish I CP and teacher approval. Students taking general level Spanish II will not have the option of moving on to Spanish III CP.

Spanish III further develops the student's ability to use the target language in speaking and writing. The course is grammar intensive and aural and reading comprehension skills are also improved. This course will help students to acquire knowledge of the culture and the history of the target countries.

**Prerequisite:** Students must have a minimum average of 80 in Level II CP and teacher approval.

This Honors course increases the student's ability to use the foreign language as a means of communication both orally and through the written word. This course will help the students deepen their knowledge of the culture and the history of the target language countries. Students will expand their reading, writing, and speaking skills in the language. The class will be conducted in the target language and students will be required to participate in class discussions.

**Prerequisite:** Students must have a minimum average of 85 in Level III and teacher approval.

In this Honors course, students will refine those language skills which were acquired in the previous levels with a special emphasis on reading, writing, listening, and oral communication. Students will read novelettes and learn how to express their thoughts orally and in composition. Understanding of culture and art is stressed. The class will be conducted in the target language and students will be required to participate in class discussions in the target language. This course has a College in the Classroom option through which students have the opportunity to earn 6 college credits from Alvernia University (Intermediate Spanish 1 & 2). Alvernia University information will be available in the fall.

**Prerequisite:** Students must have a minimum average of 85 in Level IV and teacher approval.
472 German 7 Grade 7
The German 7 and 8 courses introduce the language within the context of the contemporary German-speaking world and its culture. Students are introduced to basic language skills through a logical progression of listening, speaking, reading, and writing activities. German 7 and German 8 combined equate to a Level I course.
Prerequisite: Students beginning German in Grade 7 must have strong grades in Language Arts and teacher recommendation.

482 German 8 Grade 8
The German 7 and 8 courses introduce the language within the context of the contemporary German-speaking world and its culture. Students are introduced to basic language skills through a logical progression of listening, speaking, reading, and writing activities. German 7 and German 8 combined equate to a Level I course.
Prerequisite: Passing grade in German 7 and teacher approval.

412 German I CP Level 1
1 Credit Grades 9-11
This course introduces the language within the context of the contemporary German world and its culture. Emphasis is given to the development of listening, comprehension, reading, writing skills, and formation of grammatical and language structures. The vocabulary presented relates to the students' world and encourages practical use of the language.
Prerequisite: Students must have a 75 average in English CP and teacher approval.

422 German II CP Level 1
1 Credit Grades 9-12
The second level of language continues the acquisition of correct pronunciation and intonation, as the students hear and respond more in the language. Basic grammatical and vocabulary skills are expanded and students do some imitative composition. The culture of the target language countries is highlighted through related readings. The ability to speak and read the language without resorting to translation is encouraged.
Prerequisite: Students must have a passing grade of 70 in Level 1 CP or a minimum average of 80 in eighth grade language and teacher approval.

432 German III CP Level 1
1 Credit Grade 10-12
German III further develops the student’s ability to use the target language in speaking and writing. The course is grammar intensive and aural and reading comprehension skills are also improved. This course will help students to acquire knowledge of the culture and the history of the target countries.
Prerequisite: Students must have a minimum average of 80 in German II CP and teacher approval.
Science Department

The science curriculum consists of those courses, activities and units of instruction which are designed to meet every student's educational needs related to science. Emphasis is placed on:

1. The importance of major scientific principles and their understanding and application.
2. The development of competence in the use of methods of science.
3. The development of desirable attitudes, interest and an appreciation of science and its application.
4. The recognition of and preparation for the role of science in the evolving biological, chemical and physical technological age.

The curriculum provides opportunities for all students to study science to meet their common needs and interests. The science educators strive to provide for individual differences and differential growth within the framework of the science curriculum. An outgrowth of this should be independent academic responsibility.

571 Life Science Grade 7
This course emphasizes the awesome diversity of God's creation in living organisms and their relationships with the environment. Concepts and process skills, scientific methods, and application to solve problems center on the structure and functions of the organisms. All students in the 7th grade are required to write a Design an Experiment report using scientific method.

581 Earth Science Grade 8
The Earth Science program introduces and develops an understanding of planet Earth. Areas of geology, oceanography, meteorology, and astronomy are covered. All students in the eighth grade are required to write a Design an Experiment report using scientific methods. The course presents a thematic orientation, emphasizing scientific thinking, process skills for problem solving, and applying scientific methods.

509 Biology I H Level H Grades 9-10
1 Credit
This course is designed as an introduction to the major biological themes as well as a survey of the kingdoms of life. The three major topic areas to be covered are: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. Students will participate in related laboratory activities as well as engage in research of various topics. All students are required to complete a Science Fair project.
Prerequisite: An average of 93 in Earth Science, a 93 in Physical Science; an 88 in Algebra I Accelerated, a 93 in Algebra I CP, an 88 in Algebra II H; and teacher approval.
511  Biology I CP  
Level 1  
1 Credit  
Grade 10  
This course emphasizes the broad concepts applicable to all living systems and details the diversity of processes, structures, and organisms related to the unifying principles and features of all life. The organization, uniqueness, and chemical aspects of life are discussed as they apply to the different types of organisms. Cell energy ties the chemical aspects of living systems to the structure and function of the cell. Reproduction is analyzed in terms of the cell, genetics, and biochemistry. Inclusive topics considered are the principles of taxonomy and a survey of the six kingdoms of life. The course material is reinforced by laboratory sessions where investigations pertinent to lecture material stress scientific principles rather than mere scientific facts.

519  Biology I  
Level 2  
1 Credit  
Grade 10  
This course is a survey of biology concepts. The course focuses on the six themes of biology. The first half of the year explores the key concepts of cell biology, i.e., the organelles, homeostasis, genetics, and biochemistry. The rest of the year is a survey of the six kingdoms; focusing on the kingdom’s characteristics, dissections, behavior, and evolution of the species. The course material is reinforced by laboratory sessions where investigations pertinent to lecture material stress scientific principles rather than mere scientific facts.

520  Biology II CP  
Level 1  
0.5 Credit - Semester Course – ½ year  
Grade 11-12  
Biology is a broad science that encompasses many sub-disciplines and topics. This course is designed for students who have an interest in biology beyond Biology I. This semester course will first review basic biological principles from Bio I, and then dive further into many topics not previously covered including population genetics, ecology, and DNA structure, function, and technology. The course will rely heavily on labs and simulations.  
Prerequisite: An 80 in Biology I Honors, an 82 in Biology I CP, or a 93 in Biology I.

521  Physical Science CP  
Level 1  
1 Credit  
Grade 9  
Physical Science is a practical study of the relationship between matter and energy. The course is divided into two main branches, chemistry and physics. It examines the diversity of matter, its composition, and chemistry. It probes the dynamics of the various forms of energy, their origins, transformations and applications in the world of today and tomorrow. Throughout the course, scientific principles are reinforced through activities and experiments.
Physical Science is a study of matter and energy. This course provides students with the basic knowledge of physical science as it relates to them and to their range of experiences. The approach of this course emphasizes everyday applications of physical laws. The course is designed for the freshman student who, in most cases, will not continue with chemistry or physics.

This biology course is designed to be the equivalent of a college introductory biology course. The three general areas of study include molecules and cells, heredity and evolution, and organisms and populations. Students taking this course are required to take the AP exam in May.

Prerequisite: An average of 85 in Chemistry I H, an 85 in Physics I H, a 93 in Chemistry CP or Biology I CP, and teacher approval.

The objective of the honors chemistry course is to give the student a greater understanding of basic physical concepts. Coupled with laboratory experience, basic skills and techniques are stressed. The scope of the course extends from atomic structure to chemical equilibrium. It attempts to present the student with an in-depth theoretical background which can be applied to everyday experience. All students are required to complete a Science Fair project and participate in the Science Fair competition.

Prerequisite: An average of 95 in Geometry I CP, an 88 in Geometry H; a 93 in Biology I CP, or an 88 in Biology H; and teacher approval. Students must have already taken or be registered to take Scientific Research Methods and Writing.

Chemistry 531 is organized around a central theme: the properties of matter as a consequence of its structure. The basic sequence of study deals with the structure of the atom, matter-energy relationships, the mole concept, thermodynamics, and chemical equilibrium. With a detailed explanation and the use of additional drill, students should develop a sense of confidence in material in order to gain a better understanding of concepts and increase their ability to predict consequences.

Prerequisite: An average of 82 in Geometry CP, a 93 in Geometry, an 82 in Physical Science CP, a 93 in Physical Science, an 82 in Biology CP, a 93 in Biology, and teacher approval. Juniors must have 85 in Algebra II CP or a 93 in Algebra II and approval of Science Department Chair.
540  Physics I H                  Level H  
      1 Credit                      Grade 11-12
The physics program is designed to introduce and develop an understanding of the physical world. All physical phenomena are described in terms of two fundamental concepts: matter and energy. This course covers application of physics in daily living with emphasis on the theory as well. A Science Fair project is required for this course.

**Prerequisite:** An average of 85 in Chemistry I H. Must be taking Trig/Pre-Calculus H.

541  Physics I CP                 Level 1  
      1 Credit                      Grade 11-12
The physics program is designed to introduce and develop an understanding of the physical world. All physical phenomena are described in terms of two fundamental concepts: matter and energy. This course covers the applications of physics in daily living.

**Prerequisite:** An average of 82 in Chemistry I CP.

546  Anatomy and Physiology CP    Level 1  
      1 Credit                      Grade 11-12
Human Anatomy and Physiology is a preparatory course designed for students interested in the medical field. The primary focus is the anatomy of the major organ systems. Students participate in laboratory activities relevant to the corresponding topics. Dissections of various mammals and organs are used for both discovery and mastery of information.

**Prerequisite:** An average of 85 in honors level science or an 88 in CP level science and teacher approval.

552  Environmental Science CP     Level 1  
      1 Credit                      Grade 11-12
Environmental science is a study of how humans interact with the biotic and abiotic factors that make up the biosphere. This course provides students with knowledge of the types of environmental problems they will encounter as the earth’s population – consumption crisis continues to increase, and as people compete for the use of its renewable and nonrenewable resources. This course requires students to recall what they have learned in general science, earth science, physical science, and biology to understand the complex systems and cycles to which the environment must adjust. Being extraordinarily complex, environmental problems often defy easy answers and quick solutions. Therefore, the emphasis of this course is the study of science and the development of thinking and decision-making skills which students will need as they take part in society.
Marine Science CP

0.5 Credit - Semester Course – ½ year

Marine science is the study of the oceans, their features, ecosystems, and more. This half-year course is meant for students intending to major in a similar or related field, and it will look at the four major components of the marine science discipline: physical, geographical, chemical, and biological. This class will do a number of required dissections, as well as many projects and laboratories.

Prerequisite: An average of 82 in Biology I CP or Honors Biology I.

Scientific Research Methods and Writing

0.5 Credit - Semester Course – ½ year

The purpose of this course is to equip students with the knowledge and skills necessary to choose an interesting science fair question to research, to carry out a detailed literature review, to complete a valid study using the experimental method, and to report results in cohesive research paper and poster formats. The final project for this course will be a well-developed science question and a thorough literature review for the student’s future science fair project. Other topics covered in the course include identification of unbiased sources, documentation of results, paraphrasing and plagiarism, proof-reading, and how to utilize spreadsheets to represent data with graphs.

Prerequisite: Must be enrolled in an honors science course.
Computer/Business Department

913  Computer 7  Grade 7
This first year enrichment course is designed to give students an introduction to the software and systems used at York Catholic. During this course, students will practice typing, word processing, spreadsheet, and presentation skills. Students will also work on becoming a better digital citizens as well as explore other computer applications and study skills to help them be successful in junior high, high school, and beyond.

924  Computer 8  Grade 8
The second year enrichment class is designed to advance students’ education on digital citizenship. Students will learn the impact of the Internet and technology by learning guidelines on how to be safe and responsible on the Internet. Students will be introduced to web-based programs to learn the basic skills of coding, web design, computer programming, and video/image editing.

651  Accounting  Level 1
1 Credit  Grades 9-12
This full-year course is for students who are planning a career in accounting or entrance into the business world after graduation. Up-to-date materials, procedures, and terminology prepare the student to understand the accounting cycle. This is the study of a manual accounting system’s basic concepts and principles including payroll. The course content includes a simulation set and the use of special journals.

Prerequisite: General average of 80 or teacher approval.

670  Computer Science Discoveries  Level 1
0.5 Credit - Semester Course – ½ year  Grades 9-12
Computer Science Discoveries is a semester long self-paced computer science course that introduces students to block coding and JavaScript programming as a medium for creativity, communication, and problem solving. This course also covers robotics, engineering, and the design process. No prior computer science experience is necessary.

680  Digital Imaging  Level 1
0.5 Credit - Semester Course – ½ year  Grades 9-12
This course will introduce students to the use of digital imaging applications. Students will be introduced to digital imaging software. This is a project based course with students learning to manipulate software to produce original creations. Understanding the importance of observing copyright and intellectual property rights will also be key learning objectives in this course. Students interested in careers in graphic design, web page design/programming, engineering, or journalism may be interested in this course.
646  Comprehensive Business Technology  Level 1  
1 Credit  Grade 11-12  
College in the Classroom Option
This course is provided to meet the needs of alert, college-preparatory students who have not yet had a business course. The curriculum includes units of varying topics and duration including: communication, economics and law, entrepreneurship, interview and job-seeking skills, marketing, mathematics of financial transactions, personnel management, and tax preparation. The challenging variety of this course builds confidence so the student is better prepared to meet the technicalities and requirements of post-high school years. This course has a College in the Classroom option for college credit through Alvernia University as Introduction to Business.  
Prerequisite: College-preparatory students in grades 11 and 12; general average of 80.

663  Business Management  Level 1  
1 Credit  Grade 11-12  
In this course, the general purpose is to present the business student with a solid foundation about what business is, how it operates, and how it is managed. The study will include aspects of developing management concepts, such as office organization, communications, effective supervision of office activities, human relations, office personnel policies, analyzing office jobs, and work standards. A basic understanding of business principles and management is needed by everyone who plans a career in business. In addition to class work, in-depth research and report work will be required.  
Prerequisite: General average of 80.

664  Personal Finance CP  Level 2  
0.5 Credit - Semester Course – ½ year  Grade 11-12  
This one semester course will introduce students to personal finances and individual choices that influence career earnings and lifetime goals. Students will create resumes, design personal and household budgets, learn the importance of check writing and bank reconciliation, gain knowledge in debt and credit management, and evaluate and understand the purchasing of an automobile, a home, and insurance.

669  Web Design  Level 1  
0.5 Credit - Semester Course – ½ year  Grades 9-12  
This introductory course will focus on planning, design, and development of web pages using html and CSS styles and layout technologies. Web programming for internet and intranet development is taught using the Notepad ++ programming platform. Students will be introduced to responsive web and mobile-first design web technologies, along with incorporating audio, video, and interactivity using JavaScript. This course is designed for students interested in software design, web programming, graphic design, marketing or other business related fields.
Art Department

The Art program of York Catholic High School is essential to the total education of the student. It helps a student to realize their uniqueness as a person and to respect differences in others by giving them the opportunity to think independently and communicate creatively. The student's life is enriched through personal satisfaction, awareness of environment, and through aesthetic enjoyment by learning to see and appreciate.

912  Art 7  Grade 7
Seventh grade art enrichment course introduces the basic elements of art as the fundamental building blocks, which comprise a work of art. Class projects present creative/critical thinking problems and utilize a variety of materials for completion.

922  Art 8  Grade 8
Eighth grade art introduces students to the principles of design. Emphasis on understanding composition, as it relates to a balanced and unified arrangement of the art elements, is an integral part of this course. Various art styles and the art of world cultures will be integrated into the course curriculum.

711  Art I  Level 1
1 Credit  Grades 9-12
Art I introduces students to an in-depth study of the art elements and principles of design. Through a concentration on drawing and painting techniques, students will be encouraged to create original artwork, which reflects their knowledge of concepts presented in each unit of study. Personal expression and independent critical thinking are integral parts of this course.

721  Art II  Level 1
1 Credit  Grade 10-12
This course provides further exploration into value study, portrait work, watercolor, perspective, design, painting and sculpture. The student will have a better understanding and proficiency in handling the different media and will further develop his/her own artistic talent.
Prerequisite: 85 average in Art I and teacher approval.

731  Art III  Level 1
1 Credit  Grade 11-12
Art III is intended for serious art students who plan to further their education in art. Projects in abstract thinking, in-depth drawing and design, printmaking, oil or acrylic painting, 3-D design and sculpture are explored with a greater emphasis on the individual's skills and personal goals in Art.
Prerequisite: 87 average in Art II and teacher approval.
Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas, and sustained investigation through practice, experimentation, and revision, guided by questions.

**Prerequisite:** 90 average in Art III and teacher approval.
Music Department

It is the continuing philosophy of the music department of York Catholic High School to provide students with a broad array of educational opportunities for the development of abilities in music and the performing arts. Through competitive and noncompetitive evaluation and instruction, the primary goal is to promote the ongoing development and mastery of cumulative technical and artistic skills reflecting contemporary educational principles. We ascribe to the concept that artistic, aesthetic, and creative standards must be joined with positive inspiration, recognition, and dignity for all the participants. Performance opportunities must promote and assist in the educational development of the students to achieve their greatest potential.

911 Music 7 Grade 7
Music 7 is a required course for all seventh grade students. Through singing, playing, composing, listening, group discussion, and various classroom and individual activities, students will broadly explore the field of music. Topics will include music terminology, western and non-western music, musical theater, copyright law, and composition.

921 Music 8 Grade 8
Music 8 is a required course for all eighth grade students. This course will further explore music through singing, listening, playing, composing, and various classroom activities. Focus is placed on music genres, musical elements, composition, and music reading.

820 Junior High Band Level G
0.5 - 1.0 Credit Grades 7-8
Junior High Band is offered to all beginning and advanced instrumental music students in 7th and 8th grade. Students will learn about the various styles of instrumental music, and students will participate in school concerts. Students may participate in several school ensembles. Marching Band is an extra-curricular activity. Members are eligible to audition for representation in District and Honors Band.

851 Junior High Choir Level G
0.5 - 1.0 Credit Grades 7-8
Junior High Choir is open to any student interested in singing. The ensemble meets daily. Its primary objective is to develop skills in vocal technique, sight singing, ear training, unison and part-singing, diction, and musical style in the security of a larger ensemble. Students are exposed to a variety of musical styles and forms. This group will have the opportunity to perform in the annual Christmas and Spring Concerts.
840 Senior High Band  
**Level G**  
**0.5 - 1.0 Credit**  
**Grades 9-12**

Senior Band forms the backbone of all instrumental ensembles in the school. Student leadership is encouraged wherever possible, and all members are guided to the realization that personal commitment and self-discipline are an integral part of any performing organization. Senior Band provides students the opportunity to perform in an organized group setting, and at the same time improve their skills through musical exercises, practice, sight-reading, school rehearsals, and public performances. Students in grades 9-12 will be selected for Concert Band. Marching Band can be an extra-curricular activity. Members are eligible to audition for representation in District, Regional, and Honors Band. **Prerequisite:** Instrumental training.

850 Senior High Choir  
**Level G**  
**0.5 - 1.0 Credit**  
**Grades 9-12**

Choir is open to any student interested in singing. The ensemble meets daily. Its aim is to promote a high level of musical artistry by developing skills in style, diction, vocal technique, and choral singing. Repertoire for this group consists of a variety of challenging musical literature from classical through contemporary composers. This ensemble performs twice annually. Singers in this group are eligible to audition for representation at District, Regional, and Honors Chorus.

822 Music History  
**Level G**  
**0.25 Credit - Semester Course – ½ year**  
**Grade 9-12**

A required course for all High School students, this class aims to expose students to music and music history from medieval to contemporary times. Through listening, lecture, discussion, and classroom activities, students will explore representative composers, their styles and their compositions, and connect current music styles to their roots in the past.

858 Introduction to Theatre  
**Level G**  
**0.25 Credit - Semester Course – ½ year**  
**Grades 9-12**  
**College in the Classroom Option**

This course, which meets three times per cycle for a semester, is designed for students interested in exploring all aspects of theater. It includes history and literature as well as the logistical aspects of theater productions. A portion of the course will be devoted to classic acting techniques, improvisation exercises, monologues, audition skills, and commedia dell’Arte scripts.

842 Beginner Guitar  
**Level G**  
**0.25 Credit - Semester Course – ½ year**  
**Grades 9-12**

Beginning Guitar introduces students with little or no musical background to the fundamentals of music reading and the pleasure of interpreting basic solo and accompaniment techniques on the guitar. Students will learn about their instrument, rhythm, pitch, intervals, chords, and how to play notes and chords on the guitar. Students are required to provide their own guitar and pick.
844 Music Technology  Level G
0.5 Credit - Semester Course – ½ year
Grades 9-12
The Music Technology Course is designed to introduce and foster the study and practice of music and technology. No prior music theory is required. Students will study innovations in the music technology industry; they will explore sound, recording, and production.

845 Music Theory  Level 1
0.5 Credit - Semester Course – ½ year
Grades 10-12
College in the Classroom Option
This course is for students who wish to gain a deeper understanding of music. The course will cover scale patterns, chords, melody, harmony, ear training, and composition. This class will incorporate music examples from various periods in history, as well as music in today’s society. Students have the option of taking this course for college credit through Alvernia University.
Prerequisite: Teacher recommendation and/or a placement exam.
Physical Education/Health Department

People who exercise regularly tend to live longer and are less likely to suffer from degenerative diseases. Sports usually considered lifetime in nature are best learned and practiced during the adolescent years. Such sports can provide the medium for regular physical activity throughout life. The general aim of the physical education program is to aid in the physical, social, and emotional development of each student through participation in physical activities, sports, and games.

Activities include movement exploration activities, low organization activities, individual and dual activities, team sports, rhythmic activities, tumbling, fitness and cooperative learning activities. The planned four-year Physical Education program is designed to:

1. Assist students to attain and maintain a desirable level of physical fitness.
2. Promote an understanding of the relationship between regular physical activity health.
3. Develop an understanding of the fundamentals, rules, and skills of various sports.
4. Provide sports, games, and other physical activities that promote self-confidence, teamwork, sportsmanship, and competency for participation in physical activities later in life.

A passing grade in each of the four years of physical education is required for graduation.

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<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>807</td>
<td>Physical Education</td>
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<tr>
<td>808</td>
<td>Physical Education</td>
<td>8</td>
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<td>923</td>
<td>Health</td>
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<tr>
<td>801</td>
<td>Physical Education</td>
<td>9-10</td>
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<td>0.25 Credit - Semester Course – ½ year</td>
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<tr>
<td>810</td>
<td>Physical Education</td>
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Health Enrichment is a course which includes a strong emphasis on drug education and awareness. It is also designed to use strategies which increase each student’s self-esteem and decision-making skills.
The health course is designed to help every student acquire good health habits and an understanding of the conditions necessary for maintaining physical and emotional well-being. The course includes lifetime wellness information related to physical activity and nutrition, mental and emotional health, drug education, and diseases. A passing grade is required for graduation.

The goal is to provide the student with the awareness that development includes not only physical maturation, but also an understanding of how social, emotional, and intellectual development are fostered and hindered. These classes will instill in the student an appreciation for the parenting skills needed to raise a family in today’s society, and emphasize the care of the mother and child during pregnancy and the development of the child from birth to age two.